



Knowledge and Employability

*Alberta Authorized
Resource List and
Annotated Bibliography*

**Science
Grades 8–12**



March 2007

*The complete document is available online at
<http://education.alberta.ca/teachers/com/know/resources/kelist.aspx>*

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The primary intended audience for this document is:

<i>Administrators</i>	
<i>Counsellors</i>	
<i>General Audience</i>	
<i>Parent School Councils</i>	
<i>Parents</i>	
<i>Students</i>	
<i>Teachers</i>	✓

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ORGANIZATION OF THIS DOCUMENT

The authorized resource lists for Knowledge and Employability courses are organized by subject/occupational strand. The lists are organized as follows:

Authorized Resources Listed by Subject (Grades 8–12)

Student Basic Resources are listed alphabetically within each grade, followed by Student Support Resources and Teaching Resources. Each entry provides the following information:

- series name (if applicable)
- title of resource
- authorization category (student basic, student support, teaching)
- grades authorized for
- vendor/distributor name, order number and price
- other Knowledge and Employability subjects authorized for (if any).

Annotated Bibliography Listed Alphabetically by Title

Each of the resources listed has a corresponding annotation. Each annotation page identifies the:

- series name (if applicable)
- title of resource
- type of resource—the annotation has an icon of the type of the resource (e.g., print, video, CD-ROM)
- authorization category (student basic, student support, teaching)
- grades authorized for
- subjects authorized for
- vendor/distributor name, order number and price.

RESOURCE AUTHORIZATION CATEGORIES

Knowledge and Employability Resources

The resource lists for Knowledge and Employability courses contain learning and teaching resources that have been authorized for use in Alberta schools.

Alberta Education selects and authorizes resources to support the implementation of programs of study. Teachers are encouraged to select resources that meet the diverse learning needs of students they teach. The resource authorization categories are **student basic**, **student support** or **teaching**:

Student Basic learning resources are those student learning resources authorized by Alberta Education as the most appropriate for addressing the majority of outcomes of the course(s) or substantial components of the course(s); or the most appropriate for meeting general outcomes across two or more grade levels.

Student Support learning resources are those student learning resources authorized by Alberta Education to assist in addressing some of the outcomes of the course(s) or components of the course(s); or to assist in meeting the outcomes across two or more grade levels.

Teaching resources are those teaching resources identified as the best available resources to support the implementation of programs of study and courses; they may be teacher guides to accompany student resources or teacher professional resources. The authorized teaching guides are listed with the student resources.

These resources are organized by grade, authorization status and title in alphabetical order. Series names are italicized. Grade level(s) are indicated beside each title and there is a cross-reference column to other Knowledge and Employability subjects on the right side of the page.

Note:

Alberta Education strongly recommends that teachers read all selections in the student resources and all activities in the teacher guides prior to using them with students. Careful consideration should be given to the sensitivities of both the student audience and the community, and to the reading levels of students.

Knowledge and Employability Resource Lists

The authorized resource lists for Knowledge and Employability courses are organized by subject and occupational strand. In addition to the stated subject area, each list will include Career Awareness and Universal Strategies. The following lists are available.

Academic Subjects

- English Language Arts (including the Career Awareness and Universal Strategies sections)
- Novels and Nonfiction
- Mathematics (including the Career Awareness and Universal Strategies sections)
- Science (including the Career Awareness and Universal Strategies sections)
- Social Studies (including the Career Awareness and Universal Strategies sections)

Occupational Strands

- Art/Design and Communication (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Auto Mechanics (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Business Services (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Construction: Building (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Construction: Metal Fabrication (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Cosmetology (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Fabrics (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Foods (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Horticulture (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Human Care (including the Career Awareness, Universal Strategies and Workplace Readiness sections)
- Workplace Readiness (including the Career Awareness and Universal Strategies sections)

In addition to the printed lists, you may wish to consult the Authorized Resources Database at <http://www.education.gov.ab.ca/lrdb/default.asp> or the Knowledge and Employability Studio at <http://www.learnalberta.ca/content-teacher/kes/index.html?launch=true>.

KNOWLEDGE AND EMPLOYABILITY OCCUPATIONAL COMPONENT COURSES

Strand	EXPLORATION	ORIENTATION		PREPARATION
	Junior High	Senior High		
	<i>Units of Study – Levels 1 – 2</i>			
Art/Design and Communication	<ul style="list-style-type: none"> • Practical Arts • Ceramics • Graphic Arts • Photography • Audio/Video 	Art/Design 10-4	Art/Design 20-4	Art/Design 30-4
		Art/Media Communications 10-4	Art/Media Communications 20-4	Art/Media Communications 30-4
Auto Mechanics	<ul style="list-style-type: none"> • Two-stroke Engine • Four-stroke Engine • Basic Car Care and Maintenance 	Auto Mechanics 10-4	Auto Mechanics 20-4	Auto Mechanics 30-4
			Auto Services 20-4	Auto Services 30-4
Business Services	<ul style="list-style-type: none"> • Communicating with Others • Searching for Information • Representing Information 	Business Services 10-4	Logistics 20-4	Logistics 30-4
			Office Services 20-4	Office Services 30-4
			Sales and Service 20-4	Sales and Service 30-4
Construction: Building*	<ul style="list-style-type: none"> • Layout, Design and Drafting • Woods • Metals 	Construction: Building 10-4**	Woodworking and Cabinetry 20-4	Woodworking and Cabinetry 30-4
			Wood Frame Construction 20-4	Wood Frame Construction 30-4
Construction: Metal Fabrication*	<ul style="list-style-type: none"> • Plastics • Electricity 	Construction: Metal Fabrication 10-4	Construction Systems 20-4	Construction Systems 30-4
			Metal Fabrication 20-4	Metal Fabrication 30-4
Cosmetology	N/A	Cosmetology 10-4	Cosmetology 20-4	Cosmetology 30-4
			Esthetics 20-4	Esthetics 30-4
Fabrics	<ul style="list-style-type: none"> • Basic Sewing 	Fabrics 10-4	Fashion Textiles 20-4	Fashion Textiles 30-4
			Industrial Textiles 20-4	Industrial Textiles 30-4
Foods	<ul style="list-style-type: none"> • Basic Cooking • Snacks and Convenience Foods • Basic Baking 	Foods 10-4	Commercial Cooking 20-4	Commercial Cooking 30-4
			Food Preparation and Service 20-4	Food Preparation and Service 30-4
Horticulture	<ul style="list-style-type: none"> • Soil Preparation, Plants and Planting • Turf/Grasses • Landscaping 	Horticulture 10-4	Greenhouse and Nursery 20-4	Greenhouse and Nursery 30-4
			Landscaping 20-4	Landscaping and Maintenance 30-4
Human Care	<ul style="list-style-type: none"> • First Aid • Child Care (Noninfants) 	Human Care 10-4	Child Care 20-4	Child Care 30-4
			Home Care 20-4	Home Care 30-4
Natural Resources	N/A	Natural Resources 10-4	Agriculture 20-4	Agriculture 30-4
			Forestry 20-4	Forestry 30-4
			Oil and Gas 20-4	Oil and Gas 30-4
Workplace Readiness	<ul style="list-style-type: none"> • Personal and Workplace Safety • Employment Exploration • Acquiring a Job • Keeping a Job 	Workplace Readiness 10-4	Workplace Practicum 20-4	Workplace Practicum 30-4

* These strands have been replaced by the single strand Construction at the junior high school level.

** Students who successfully complete Construction: Building 10-4 may take Construction Systems 20-4.

Availability

Most of the new Alberta resources are available for purchase from:

Learning Resources Centre (LRC)
12360 – 142 Street, Edmonton, AB T5L 4X9
Telephone: (780) 427-5775
Fax: (780) 422-9750
Internet: <http://www.lrc.education.gov.ab.ca>

LRC order numbers and prices (as of the printing of this booklet) are included for each resource.

Those resources that must be purchased directly from the vendor/distributor are so noted on the authorized list and on the annotation. A listing of vendors/distributors is provided at the end of this booklet.

Authorized Knowledge and Employability Resources

Note:

For a **complete** list of Knowledge and Employability resources, consult the Learning Resources Centre *Alberta Resources Catalogue*. Some of the older resources will be withdrawn from authorized status in the year(s) ahead.

Knowledge and Employability

**Science
Grades 8–12**

**Authorized Resources
Listed by Subject**

Science

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Basic Learning Resources					
General Science (Student Text)	2004	Basic 8, 9	616253	\$78.35	
Science.Connect 1 (Student Text and CD-ROM)	2002	Basic 10, 11, 12	470972	\$77.55	
Science.Connect 2 (Student Text and CD-ROM) (Windows / Macintosh Version)	2003	Basic 10, 11, 12	515596	\$79.40	
Support Learning Resources					
Aquariums <i>Popular Mechanics for Kids (Season 1)</i>		Support 8	BPN 20692-003 (DVD) (ACCESS-The Education Station)		
Big Buildings <i>Popular Mechanics for Kids (Season 1)</i>		Support 8, 9	622367	\$29.20	
Building Big with David Macaulay: Educational Set (includes Big Dams, Big Domes, Big Tunnels, Big Skycrapers, Big Bridges)	2000	Support 8	611295	\$210.40	
Cool Cars <i>Popular Mechanics for Kids (Season 1)</i>	1997	Support 10, 11	BPN 20692-004 (DVD) (ACCESS-The Education Station)		• Career Awareness
<i>Exploring Habitats Series</i>		Support 8, 9, 10			
Exploring Land & Water Habitats (Windows CD-ROMs with User Guide) (2 CD-ROM set)			Out of Print		
Fly at Your Own Risk <i>Popular Mechanics for Kids (Season 2)</i>	1998	Support 8	622333	\$29.20	
Garbage <i>Popular Mechanics for Kids (Season 1)</i>		Support 9	BPN 20692 02 (ACCESS-The Education Station)		
<i>How Do They ... Series</i>	1999	Support 8, 9			
• How Do They ... Make Money?			514142	\$57.90	
• How Do They ... Make Oatmeal Cookies?			514176	\$57.90	
• How Do They ... Recycle Paper?			514134	\$57.90	
• How Do They ... Recycle Steel?			514126	\$57.90	
• How Do They ... Video Set (Make Money?; Make Oatmeal Cookies?; Recycle Paper?; Recycle Steel?)			Out of Print		
Impacts of Tourism (Video with Teacher's Notes)	2001	Support 10	611170	\$98.20	• Social Studies • Career Awareness

Science (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Knowledge and Employability Studio (Online Guide to Implementation) « http://www.learnalberta.ca/content-teacher/kes/index.html?launch=true »	2005	Support 8, 9, 10, 11, 12			• All Strands
<i>National Geographic Reading Expeditions: Earth Science Series</i>	2002	Support 8, 9			
• Exploring Space (Reader) (6-pack)			515471	\$77.15	
• The Oceans Around Us (Reader) (6-pack)			515546	\$69.00	
• Volcanoes and Earthquakes (Reader) (6-pack)			515570	\$69.00	
• Weather and Climate (Reader) (6-pack)			515588	\$69.00	
• Uncovering Earth's History (Reader) (6-pack)			515629	\$77.15	
<i>National Geographic Reading Expeditions: The Human Body Series</i>	2002	Support 8, 9			
• Understanding the Brain (Reader) (6-pack)			515786	\$69.00	
• The Human Machine (Reader) (6-pack)			515819	\$78.25	
• Keeping Fit (Reader) (6-pack)			515835	\$69.00	
• Fighting Disease (Reader) (6-pack)			515851	\$69.00	
• Making Healthy Choices (Reader) (6-pack)			515869	\$78.25	
<i>National Geographic Reading Expeditions: Life Science Series</i>	2002	Support 8, 9			
• Plant Power (Reader) (6-pack)			521882	\$69.00	
• Amazing Animals (Reader) (6-pack)			521890	\$77.15	
• Protecting the Planet (Reader) (6-pack)			521907	\$77.15	
• You and Your Genes (Reader) (6-pack)			523929	\$77.15	
• Looking at Cells (Reader) (6-pack)			523945	\$81.80	
<i>National Geographic Reading Expeditions: Physical Science Series</i>	2002	Support 8, 9			
• Matter, Matter Everywhere (Reader) (6-pack)			515645	\$69.00	
• Understanding Electricity (Reader) (6-pack)			515653	\$69.00	
• Machines Make It Move (Reader) (6-pack)			515661	\$83.00	
• The Magic of Light and Sound (Reader) (6-pack)			515695	\$82.30	
• Using Force and Motion (Reader) (6-pack)			515702	\$69.00	
<i>National Geographic Reading Expeditions: Science Issues Today Series</i>	2002	Support 8, 9, 10			
• Using Energy (Reader) (6-pack)			523979	\$69.00	
• Feeding the World (Reader) (6-pack)			523987	\$77.15	
• Global Warming (Reader) (6-pack)			523995	\$77.15	
• Inside the Internet (Reader) (6-pack)			524000	\$77.15	
• Endangered Species (Reader) (6-pack)			524018	\$69.00	
<i>National Geographic Reading Expeditions: Scientists in the Field Series</i>	2002	Support 8, 9			
• Sylvia Earle: Protecting the Seas (Reader) (6-pack)			521824	\$83.00	
• Robert Ballard: Discovering Underwater Treasures (Reader) (6-pack)			521832	\$83.00	
• Jane Goodall: Protecting Primates (Reader) (6-pack)			521840	\$77.15	
• Johan Reinhard: Discovering Ancient Civilizations (Reader) (6-pack)			521858	\$83.00	
• Paul Sereno: Digging for Dinosaurs (Reader) (6-pack)			521866	\$69.00	

Science (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
National Geographic Student Atlas of the World	2001	Support 8, 9, 10, 11	614588 (5-pack)	\$73.65	• Social Studies
Our Green Planet (Volume 13, Issue 5) <i>Science Screen Reports for Kids</i>	2003	Support 8	616047	\$58.40	
Power from the Ocean Tides (Volume 12, Issue 2) <i>Science Screen Reports for Kids</i>	2003	Support 8	616021	\$58.40	
The Properties of Fuels and Gases (Volume 13, Issue 6) <i>Science Screen Reports for Kids</i>	2003	Support 8	616055	\$70.15	
Read to Live (Web Site) (Student Portion) « http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/Readtolive/index.html »	2006	Support 8, 9, 10, 11			• All Strands
Renewable Energy: The Search for Endless Energy (with Teacher's Notes)	1999	Support 10, 11	BPN 20617 01 (ACCESS–The Education Station)		
The Science of Light (Volume 13, Issue 3) <i>Science Screen Reports for Kids</i>	2003	Support 8	616039	\$58.40	
Science Wise: Succeeding in Today's World (Student Text)	2003	Support 8, 9, 10, 11	515299	\$62.05	
Spaceships <i>Popular Mechanics for Kids (Season 1)</i>	2001	Support 8, 9	622341	\$29.20	
Spider Survival (2nd Edition)	2003	Support 9	611279	\$81.80	
Technology in Action (2nd Ed.) (Student Text)	2002	Support 8, 9, 10, 11	548323	\$61.75	• Art/Design and Communication • Career Awareness
Web of Life: The Interconnected World	2003	Support 9	611261	\$70.10	
Zero Gravity <i>Popular Mechanics for Kids (Season 2)</i>	1998	Support 9	622375	\$29.20	

Teaching Resources

Classroom Strategies for Interactive Learning (2nd Ed.)	2001	Teaching 8, 9, 10, 11	Out of print		• English Language Arts • Mathematics • Social Studies • Career Awareness • Universal Strategies
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Science (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Earth Science: Teacher's Guide & Assessments <i>National Geographic Reading Expeditions: Earth Science Series</i>	2003	Teaching 8, 9	515637	\$47.95	
Electricity and Magnetism Geokit <i>Physical Science Series</i>	2002	Teaching 9, 10, 11	547218	\$396.30	• Career Awareness
<i>General Science</i>	2004	Teaching 8, 9			
• General Science: Teacher's Edition			616261	\$116.90	
• General Science: Teacher's Resource Library			616279	\$341.35	
How to Assess Authentic Learning (4th Ed.)	2005	Teaching 8, 9, 10, 11	623068	\$54.90	• English Language Arts • Mathematics • Social Studies • Career Awareness • Universal Strategies
The Human Body: Teacher's Guide & Assessments <i>National Geographic Reading Expeditions: The Human Body Series</i>	2003	Teaching 8, 9	515877	\$57.05	
Life Science: Teacher's Guide & Assessments <i>National Geographic Reading Expeditions: Life Science Series</i>	2003	Teaching 8, 9	539611	\$56.80	
The Mindful School: How to Assess Authentic Learning (3rd Ed.)	1999	Teaching 8, 9, 10, 11	Out of print		• English Language Arts • Mathematics • Social Studies • Career Awareness • Universal Strategies
National Geographic Student Atlas of the World: Teacher's Guide	2002	Teaching 8, 9, 10, 11	Out of print		• Social Studies
North Pole <i>Popular Mechanics for Kids (Season 2)</i>	1998	Teaching 8	682585	\$46.80	• Social Studies
Physical Science: Teacher's Guide & Assessments <i>National Geographic Reading Expeditions: Physical Science Series</i>	2003	Teaching 8, 9	515744	\$57.05	
			Vendor Direct (National Geographic Society School Publishing)		
Read to Live (CD-ROM)	2006	Teaching 8, 9, 10, 11, 12	Pending		• All Strands
Read to Live (Web Site) (Teacher Portion) « http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/Readtolive/index.html »	2006	Teaching 8, 9, 10, 11			• All Strands
Rivers: Shapers of Earth Landscapes (with Teacher's Guide) <i>AIMS Teaching Module</i>	2002	Teaching 8	611394	\$81.80	

Science (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Scholastic Action Book Collections (includes 6 books - The Bear Facts, Medical Miracles, Extreme Floods, That's Science: Bad Hair Days and Other Experiments, Tropical Rain Forest, Weird Science Jobs + Teacher's Guide + Reader's Notes) <i>Scholastic Action Book Collections (Explorations Middle School)</i>	2003	Teaching 8	620486	\$289.90	• English Language Arts
Science Issues Today: Teacher's Guide & Assessments <i>National Geographic Reading Expeditions: Science Issues Today Series</i>	2003	Teaching 8, 9, 10	Vendor Direct (National Geographic Society School Publishing)		
Science Wise: Succeeding in Today's World: Teacher's Guide	2003	Teaching 8, 9, 10, 11	519837	\$108.35	
Science.Connect 1: Teacher's Resource CD-ROM	2002	Teaching 10, 11, 12	470980	\$529.75	
Science.Connect 2: Teacher's Resource CD-ROM (Windows Version) (Includes Blackline Masters, ICT Masters and Assessment Masters)	2003	Teaching 10, 11, 12	515611	\$496.80	
Scientists in the Field: Teacher's Guide & Assessments <i>National Geographic Reading Expeditions: Scientists in the Field Series</i>	2003	Teaching 8, 9	Vendor Direct (National Geographic Society School Publishing)		
Technology in Action (2nd Ed.): Interactive CD-ROM (Windows / Macintosh Version)	2002	Teaching 8, 9, 10, 11	548373	\$95.10	• Art/Design and Communication • Career Awareness
Technology in Action (2nd Ed.): Teachers Resource Guide	2002	Teaching 8, 9, 10, 11	548331	\$136.90	• Art/Design and Communication • Career Awareness
Thinking Tools for Kids: Practical Organizers	1999	Teaching 8, 9	385395	\$88.25	• English Language Arts • Social Studies • Universal Strategies
<i>Transit Across Canada Series</i>	2000	Teaching 8, 9, 10	• Social Studies		
Air - Climate; Water - Reserves and Networks; Land - Territory and Resources; Fire - Energy; Life - People, Fauna and Flora			514241	\$278.15	
What's Up in Technology (Video with Teacher's Curriculum Guide)	1998	Teaching 11	538796	\$99.40	• Career Awareness
 Work Safe Alberta: Workplace Health and Safety Kit (includes Teacher Resource Binder 1 - September 2006; Teacher Resource Binder 2 - September 2006; Workplace Health and Safety Teacher Toolkit)	(2006)	Teaching 8, 9, 10, 11, 12	676926	\$131.25	• All Strands


Career Awareness

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Basic Learning Resources					
Making It Work: A Handbook for Reading, Writing, Language, and Media	2003	Basic 10, 11, 12	515281	\$28.40	<ul style="list-style-type: none"> • English Language Arts • Universal Strategies
The Road Ahead: Reading Selections for Canadian Students (Student Anthology)	2003	Basic 10, 11, 12	515273	\$41.00	<ul style="list-style-type: none"> • English Language Arts • Universal Strategies
Steck-Vaughn Connections: Basic Skills in Reading	2000	Basic 8, 9, 10, 11, 12	478504	\$24.70	<ul style="list-style-type: none"> • English Language Arts • Universal Strategies
Steck-Vaughn Connections: Basic Skills in Writing	2000	Basic 8, 9, 10, 11, 12	478512	\$24.70	<ul style="list-style-type: none"> • English Language Arts • Universal Strategies
Support Learning Resources					
Episode 1: The Job Interview; Episode 2: Resume Writing; Episode 3: Today's Labour Market; Episode 4: Career Planning; Episode 5: Shopping for a School; Episode 7: Professional Transport Driving; Episode 10: Careers in Metal Machining <i>Career Forward Series</i>	2001	Support 10, 11, 12	Vendor Direct (KineticVideoCom)		
Careers in Hospitality and Tourism	2001	Support 8, 9, 10, 11, 12	BPN 20889 01 (VHS) 20889 02 (DVD) (ACCESS–The Education Station)		
Clothing: Fashion, Fabrics and Construction (3rd Ed.) (Student Text)	1997	Support 8, 9, 10, 11, 12	337916	\$87.80	
Clothing: Fashion, Fabrics and Construction (4th Ed.) (Student Text)	2003	Support 8, 9, 10, 11, 12	484634	\$74.55	
Cool Cars <i>Popular Mechanics for Kids (Season 1)</i>	1997	Support 10, 11	BPN 20692-004 (DVD) (ACCESS–The Education Station)		<ul style="list-style-type: none"> • Science
<i>Creative Living (7th Ed.)</i>	2000	Support 10, 11, 12			<ul style="list-style-type: none"> • Universal Strategies
• Creative Living (7th Ed.) (Student Text)			515455	\$80.35	
• Creative Living (7th Ed.): Student Workbook			515463	\$15.85	
<i>Discovering Life Skills</i>	2004	Support 8, 9			<ul style="list-style-type: none"> • Universal Strategies • Fabrics • Foods • Workplace Readiness
• Discovering Life Skills (1st Ed.) (Student Text)			548399	\$67.00	
• Discovering Life Skills (1st Ed.): Student Workbook			548430	\$15.65	
Goal Setting: Planning for Your Future	1998	Support 8, 9, 10, 11, 12	BPN 2073401 (ACCESS–The Education Station)		<ul style="list-style-type: none"> • Universal Strategies
Impacts of Tourism (Video with Teacher's Notes)	2001	Support 10, 11, 12	611170	\$98.20	<ul style="list-style-type: none"> • Science • Social Studies

Career Awareness (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Foolproof Ways to Find a Job: Sharpening Job Hunting Techniques; Resumes, Cover Letters, and Portfolios: Tools to Land a Job; Make the Interview Count: Six P's of Job Interviews <i>Job Connection Series</i>	1999	Support 10, 11, 12	BPN 2063400 (ACCESS—The Education Station)		
 Knowledge and Employability Studio (Online Guide to Implementation) « http://www.learnalberta.ca/content-teacher/kes/index.html?launch=true »	2005	Support 8, 9, 10, 11, 12			• All Strands
The Little Trapper	1999	Support 8, 9	Vendor Direct (National Film Board)		• English Language Arts • Social Studies
Read to Live (Web Site) (Student Portion) « http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/Readtolive/index.html »	2006	Support 8, 9, 10, 11, 12			• All Strands
<i>Reading for Today</i>	2001	Support 9, 10			• English Language Arts • Universal Strategies
• Reading for Today: Book Four			517641	\$23.65	
• Reading for Today: Workbook Four			517667	\$17.35	
<i>Reading for Today</i>	2001	Support 10, 11			• English Language Arts • Universal Strategies
• Reading for Today: Book Five			517675	\$23.65	
• Reading for Today: Workbook Five			517683	\$17.35	
<i>Reading for Today</i>	2001	Support 11, 12			• English Language Arts • Universal Strategies
• Reading for Today: Book Six			517691	\$23.65	
• Reading for Today: Workbook Six			517708	\$17.35	
Self-concept: Discovering Who You Are	1998	Support 10, 11, 12	BPN 20739-01 (ACCESS—The Education Station)		• Universal Strategies
Step into the Trades	2003	Support 8, 9, 10, 11, 12	Out of print		
Study Skills: Simple Strategies to Improve Study Techniques	2001	Support 8, 9, 10, 11, 12	BPN 20618 01 (ACCESS—The Education Station)		• Universal Strategies
Technology in Action (2nd Ed.) (Student Text)	2002	Support 8, 9	548323	\$61.75	• Science • Art/Design and Communication
<i>Today's Teen (7th Ed.)</i>	2004	Support 8, 9			• Universal Strategies • Art/Design and Communication • Fabrics • Foods • Workplace Readiness
• Today's Teen (7th Ed.) (Student Text)			541236	\$69.60	
• Today's Teen (7th Ed.): Student Workbook			547838	\$14.90	


Career Awareness (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Teaching Resources					
<i>The Alberta Framework of Essential Competencies for Working, Learning and Living</i>	2001	Teaching 8, 9, 10, 11, 12			<ul style="list-style-type: none"> • English Language Arts • Mathematics • Universal Strategies
• Alberta Framework of Essential Competencies for Working, Learning and Living: Action Planner and Framework			461799	\$10.00	
Classroom Strategies for Interactive Learning (2nd Ed.)	2001	Teaching 8, 9, 10, 11, 12		Out of print	<ul style="list-style-type: none"> • English Language Arts • Mathematics • Science • Social Studies • Universal Strategies
<i>Clothing: Fashion, Fabrics and Construction (3rd Ed.)</i>	1997	Teaching 8, 9, 10, 11, 12			
• Clothing: Fashion, Fabrics and Construction (3rd Ed.): Teacher's Annotated Edition			337908	\$111.85	
• Clothing: Fashion, Fabrics and Construction (3rd Ed.): Teacher's Classroom Resources			350455	\$405.60	
<i>Creative Living (7th Ed.)</i>	2000	Teaching 10, 11, 12			<ul style="list-style-type: none"> • Universal Strategies
• Creative Living (7th Ed.): Color Transparency Package			515504	\$155.20	
• Creative Living (7th Ed.): Teacher's Classroom Resources			515497	\$363.85	
• Creative Living (7th Ed.): Teacher's Wraparound Edition			515489	\$99.30	
<i>Discovering Life Skills</i>	2004	Teaching 8, 9			<ul style="list-style-type: none"> • Universal Strategies • Fabrics • Foods • Workplace Readiness
• Discovering Life Skills (1st Ed.): Student Workbook: Teacher Annotated Edition			548539	\$35.00	
• Discovering Life Skills (1st Ed.): Teacher Resource Guide			548563	\$111.00	
• Discovering Life Skills (1st Ed.): Effective Instruction CD-ROM			548571	\$227.80	
• Discovering Life Skills (1st Ed.): Student Motivation Kit			548456	\$173.60	
Electricity and Magnetism Geokit <i>Physical Science Series</i>	2002	Teaching 9, 10, 11, 12	547218	\$396.30	<ul style="list-style-type: none"> • Science
How to Assess Authentic Learning (4th Ed.)	2005	Teaching 8, 9, 10, 11, 12	623068	\$54.90	<ul style="list-style-type: none"> • English Language Arts • Mathematics • Science • Social Studies • Universal Strategies
The Mindful School: How to Assess Authentic Learning (3rd Ed.)	1999	Teaching 8, 9, 10, 11, 12		Out of print	<ul style="list-style-type: none"> • English Language Arts • Mathematics • Science • Social Studies • Universal Strategies
Read to Live (Web Site) (Teacher Portion) « http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/Readtolive/index.html »	2006	Teaching 8, 9, 10, 11, 12			<ul style="list-style-type: none"> • All Strands
Read to Live (CD-ROM)	2006	Teaching 8, 9, 10, 11, 12		Pending	<ul style="list-style-type: none"> • All Strands

Career Awareness (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Reading for Today: Instructor's Guide <i>Reading for Today</i>	2001	Teaching 9, 10, 11, 12	517716	\$32.60	• English Language Arts • Universal Strategies
Step into the World of Workplace Learning: A Collection of Authentic Workplace Materials	2001	Teaching 10, 11, 12	515314	\$42.05	• English Language Arts
Module Four: Job Maintenance <i>Success in Entering the Workplace: Essential Competencies for Career Transitions</i>	2003	Teaching 8, 9, 10, 11, 12	538986	\$156.75	
Module Five: Personal and Workplace Safety <i>Success in Entering the Workplace: Essential Competencies for Career Transitions</i>	2004	Teaching 8, 9	551813	\$78.90	• Universal Strategies • All Occupational Strands
<i>Success in Entering the Workplace: Essential Competencies for Career Transitions</i>	1999	Teaching 8, 9, 10, 11, 12			• Universal Strategies
• Series Manual and Module One: Job Preparation: Instructor's Guide and Learning Resources (Revised Edition)			516403	\$156.75	
• Module Two: The Planning Project; Module Three: The Proactivity Project			516411	\$61.05	
Technology in Action (2nd Ed.): Interactive CD-ROM (Windows / Macintosh Version)	2002	Teaching 8, 9	548373	\$95.10	• Science • Art/Design and Communication
Technology in Action (2nd Ed.): Teachers Resource Guide	2002	Teaching 8, 9	548331	\$136.90	• Science • Art/Design and Communication
<i>Today's Teen (7th Ed.)</i>	2004	Teaching 8, 9			• Universal Strategies • Art/Design and Communication • Fabrics • Foods • Workplace Readiness
• <i>Today's Teen (7th Ed.): Student Workbook: Teacher Annotated Edition</i>			547862	\$31.70	
• <i>Today's Teen (7th Ed.): Teacher Resource Guide</i>			547846	\$101.00	
• <i>Today's Teen (7th Ed.): Student Motivation Kit</i>			547854	\$173.60	
• <i>Today's Teen (7th Ed.): Effective Instruction CD-ROM</i>			547870	\$227.80	
• <i>Today's Teen (7th Ed.): Transparency Package</i>			547888	\$136.90	
• <i>Today's Teen (7th Ed.): Teacher Wraparound Edition</i>			541690	\$113.50	
What's Up in Technology (Video with Teacher's Curriculum Guide)	1998	Teaching 10, 11, 12	538796	\$99.40	• Science
 Work Safe Alberta: Workplace Health and Safety Kit (includes Teacher Resource Binder 1 - September 2006, Teacher Resource Binder 2 - September 2006, Workplace Health and Safety Teacher Toolkit)	(2006)	Teaching 8, 9, 10, 11, 12	676926	\$131.25	• All Strands

Universal Strategies

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
Basic Learning Resources					
Making It Work: A Handbook for Reading, Writing, Language, and Media	2003	Basic 10, 11, 12	515281	\$28.40	• English Language Arts • Career Awareness
The Road Ahead: Reading Selections for Canadian Students (Student Anthology)	2003	Basic 10, 11, 12	515273	\$41.00	• English Language Arts • Career Awareness
Steck-Vaughn Connections: Basic Skills in Reading	2000	Basic 8, 9, 10, 11, 12	478504	\$24.70	• English Language Arts • Career Awareness
Steck-Vaughn Connections: Basic Skills in Writing	2000	Basic 8, 9, 10, 11, 12	478512	\$24.70	• English Language Arts • Career Awareness
Support Learning Resources					
Communicating Self-esteem	1998	Support 8, 9	BPN 20738-01 (ACCESS–The Education Station)		
Conflict Resolution: A Winning Approach (Video with Teacher's Notes)	1997	Support 10, 11, 12	BPN 20601-01 (ACCESS–The Education Station)		
<i>Creative Living (7th Ed.)</i>	2000	Support 10, 11, 12			• Career Awareness
• Creative Living (7th Ed.) (Student Text)			515455	\$80.35	
• Creative Living (7th Ed.): Student Workbook			515463	\$15.85	
<i>Discovering Life Skills</i>	2004	Support 8, 9			• All Strands
• Discovering Life Skills (1st Ed.) (Student Text)			548399	\$67.00	
• Discovering Life Skills (1st Ed.): Student Workbook			548430	\$15.65	
Goal Setting: Planning for Your Future	1998	Support 8, 9, 10, 11, 12	BPN 20734-01 (ACCESS–The Education Station)		
NEW Knowledge and Employability Studio (Online Guide to Implementation) « http://www.learnalberta.ca/content-teacher/kes/index.html?launch=true »	2005	Support 8, 9, 10, 11, 12			• All Strands
Making Decisions and Being Assertive: Knowing Your Mind, Speaking Your Mind	2000	Support 10, 11, 12	453762	\$98.20	• English Language Arts
<i>Media Interrupted Series</i>	2001	Support 10, 11, 12	BPN 20632 00 (ACCESS–The Education Station)		
Why We Do What We Do; Why We Buy What We Buy; Sexual Stereotypes					
Read to Live (Web Site) (Student Portion) « http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/Readtolive/index.html »	2006	Support 8, 9, 10, 11, 12			• All Strands
<i>Reading for Today</i>	2001	Support 9, 10			• English Language Arts • Career Awareness
• Reading for Today: Book Four			517641	\$23.65	
• Reading for Today: Workbook Four			517667	\$17.35	

Universal Strategies (continued)

Knowledge and Employability


Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
<i>Reading for Today</i>	2001	Support 10, 11			• English Language Arts • Career Awareness
• Reading for Today: Book Five			517675	\$23.65	
• Reading for Today: Workbook Five			517683	\$17.35	
<i>Reading for Today</i>	2001	Support 11, 12			• English Language Arts • Career Awareness
• Reading for Today: Book Six			517691	\$23.65	
• Reading for Today: Workbook Six			517708	\$17.35	
Self-concept: Discovering Who You Are	1998	Support 10, 11	BPN 20739-01 (ACCESS—The Education Station)		• Career Awareness
Study Skills: Simple Strategies to Improve Study Techniques	2001	Support 8, 9, 10, 11, 12	BPN 20618 01 (ACCESS—The Education Station)		• Career Awareness
<i>Today's Teen (7th Ed.)</i>	2004	Support 8, 9			• Art/Design and Communication • Fabrics • Foods • Career Awareness • Workplace Readiness
• Today's Teen (7th Ed.) (Student Text)			541236	\$69.60	
• Today's Teen (7th Ed.): Student Workbook			547838	\$14.90	

Teaching Resources

<i>The Alberta Framework of Essential Competencies for Working, Learning and Living</i>	2001	Teaching 8, 9, 10, 11, 12			• English Language Arts • Mathematics • Career Awareness
• Alberta Framework of Essential Competencies for Working, Learning and Living: Action Planner and Framework			461799	\$10.00	
<i>Bully Dance / La danse des brutes ShowPeace</i>	2000	Teaching 8, 9	514118	\$58.40	
<i>Classroom Strategies for Interactive Learning (2nd Ed.)</i>	2001	Teaching 8, 9, 10, 11, 12	Out of print		• English Language Arts • Mathematics • Science • Social Studies • Career Awareness
<i>Creative Living (7th Ed.)</i>	2000	Teaching 10, 11, 12			• Career Awareness
• Creative Living (7th Ed.): Color Transparency Package			515504	\$155.20	
• Creative Living (7th Ed.): Teacher's Classroom Resources			515497	\$363.85	
• Creative Living (7th Ed.): Teacher's Wraparound Edition			515489	\$99.30	
<i>Dinner for Two / Dîner intime ShowPeace</i>	1997	Teaching 8, 9	472598	\$58.40	


Universal Strategies (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
 <i>Discovering Life Skills</i>	2004	Teaching 8, 9			• All Strands
• Discovering Life Skills (1st Ed.): Student Workbook: Teacher Annotated Edition			548539	\$35.00	
• Discovering Life Skills (1st Ed.): Teacher Resource Guide			548563	\$111.00	
• Discovering Life Skills (1st Ed.): Effective Instruction CD-ROM			548571	\$227.80	
• Discovering Life Skills (1st Ed.): Student Motivation Kit			548456	\$173.60	
How to Assess Authentic Learning (4th Ed.)	2005	Teaching 8, 9, 10, 11, 12	623068	\$54.90	• English Language Arts • Mathematics • Science • Social Studies • Career Awareness
In Your Face: Why Courtesy and Respect	1998	Teaching 10, 11, 12	519788	\$147.25	
The Mindful School: How to Assess Authentic Learning (3rd Ed.)	1999	Teaching 8, 9, 10, 11, 12	Out of print		• English Language Arts • Mathematics • Science • Social Studies • Career Awareness
Read to Live (CD-ROM)	2006	Teaching 8, 9, 10, 11, 12	Pending		• All Strands
Read to Live (Web Site) (Teacher Portion) « http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/Readtolive/index.html »	2006	Teaching 8, 9, 10, 11, 12			• All Strands
Reading for Today: Instructor's Guide <i>Reading for Today</i>	2001	Teaching 9, 10, 11, 12	517716	\$32.60	• English Language Arts • Career Awareness
<i>Success in Entering the Workplace: Essential Competencies for Career Transitions</i>	1999	Teaching 8, 9, 10, 11, 12			• Career Awareness
• Series Manual and Module One: Job Preparation: Instructor's Guide and Learning Resources (Revised Edition)			516403	\$156.75	
• Module Two: The Planning Project; Module Three: The Proactivity Project			516411	\$61.05	
Module Five: Personal and Workplace Safety <i>Success in Entering the Workplace: Essential Competencies for Career Transitions</i>	2004	Teaching 8, 9	551813	\$78.90	• Career Awareness • All Occupational Strands
Think Again: Thinking Tools for Grades 6 to 10	2003	Teaching 8, 9, 10, 11, 12	517196	\$89.00	• English Language Arts • Social Studies
Thinking Tools for Kids: Practical Organizers	1999	Teaching 8, 9, 10, 11, 12	385395	\$88.25	• English Language Arts • Science • Social Studies

Universal Strategies (continued)

Knowledge and Employability

Series / Title	Copyright Date	Status / Grade(s)	LRC Order No.	Price	Also Approved for:
<i>Today's Teen (7th Ed.)</i>	2004	Teaching 8, 9			<ul style="list-style-type: none"> • Art/Design and Communication • Fabrics • Foods • Career Awareness • Workplace Readiness
• Today's Teen (7th Ed.): Student Workbook: Teacher Annotated Edition			547862	\$31.70	
• Today's Teen (7th Ed.): Teacher Resource Guide			547846	\$101.00	
• Today's Teen (7th Ed.): Student Motivation Kit			547854	\$173.60	
• Today's Teen (7th Ed.): Effective Instruction CD-ROM			547870	\$227.80	
• Today's Teen (7th Ed.): Transparency Package			547888	\$136.90	
• Today's Teen (7th Ed.): Teacher Wraparound Edition			541690	\$113.50	
Tools for Learning	2001	Teaching 8, 9, 10, 11, 12	482133	\$39.40	<ul style="list-style-type: none"> • English Language Arts • Social Studies
When the Dust Settles / Et la poussière retombe <i>ShowPeace</i>	1997	Teaching 8, 9	Out of print		
 Work Safe Alberta: Workplace Health and Safety Kit (includes Teacher Resource Binder 1 - September 2006, Teacher Resource Binder 2 - September 2006, Workplace Health and Safety Teacher Toolkit)	(2006)	Teaching 8, 9, 10, 11, 12	676926	\$131.25	• All Strands

Knowledge and Employability

**Science
Grades 8–12**

**Annotated Bibliography
Listed Alphabetically
by Title**

1897

1897

1897

Annotated Bibliography Listed Alphabetically by Title

LRC Order No.: Est. Price:

Popular Mechanics for Kids (Season 1) Aquariums

Support Resource Grade(s) 8

Available at ACCESS—The Education Station
BPN 20692 05

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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This video supports the Knowledge and Employability Grade 8 Science unit Water Systems, Land and Humans. It discusses aquatic ecosystems and the adaptation that organisms require to live in aquatic ecosystems. The visuals and language are appropriate for students in Knowledge and Employability courses. A wide variety of storylines, questions and activities maintain student interest. The resource offers timely opportunities for pausing to permit the teacher to discuss certain issues with students or to provide further instruction.

Comments:

- This resource requires the teacher to create activities and assessment tools.

Popular Mechanics for Kids (Season 1) Big Buildings

Support Resource Grade(s) 8, 9

622367 \$29.20

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Big Buildings provides an introductory look into several topics in Knowledge and Employability science, including Mechanical Systems We Use, Chemistry and Change, and Household and Workplace Chemistry. Topics include making and using concrete to build the floors on a tall building, descriptions and examples of skyscraper designs from around the world, designing elevators for tall buildings, building to withstand airplane collisions and using implosions to demolish tall structures. The video is divided into sections that facilitate classroom discussion or further instruction on the topics. Narrated and hosted by young teenagers, this video has a fast pace and format that will help to keep students interested. The video can be used to introduce and create interest in the topics, although further classroom instruction and development will be required. Other titles authorized from this series are *Fly at Your Own Risk*, *Food, F.X.I.*, *Garbage*, *Spaceships* and *Zero Gravity*.

Comments:

- This is an American production filmed mostly in American locations, although examples of big buildings from around the world are included.
- Programs in the *Popular Mechanics for Kids* series are fast paced and engaging. Topics are relevant and high interest. Excellent production quality ensures that the audience's interest and attention is maintained. Vocabulary and content are appropriate for students in Knowledge and Employability courses.
- Teachers will need to preview this resource to see if it is age appropriate for their classes. The narrators for this series are a young boy and girl of approximately 11 or 12 years of age.

LRC Order No.: Est. Price:
611295 \$210.40

Building Big with David Macaulay: Educational Set (includes Big Dams, Big Domes, Big Tunnels, Big Skyscrapers, Big Bridges)

Support Resource Grade(s) 8

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Building Big with David Macaulay: Educational Set contains videos on bridges, domes, skyscrapers, tunnels and dams. Historical background describing the evolution of the building materials and technology used in building that type of structure is provided for each type of structure. Animation segments introduce and explain key building concepts and vocabulary. The videos address outcomes in the unit Mechanical Systems We Use in Grade 8 Knowledge and Employability Science. Excellent production quality ensures that audience interest and attention is maintained.

Comments:

- This resource does not address other topics in Grade 8 Science.

© 2000

Classroom Strategies for Interactive Learning (2nd Ed.)

Out of print

Teaching Resource Grade(s) 8, 9, 10, 11, 12

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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This teacher professional resource offers a collection of classroom teaching strategies that can be applied to a variety of subject areas. The resource describes over 45 different strategies, providing step-by-step instructions on how to use them, as well as examples, variations and advantages of each. The book addresses cognitive processes, such as activating/focusing, selecting/organizing and integrating/applying. It also examines a variety of text frames, such as cause/effect, concept/definition, problem/solution, compare/contrast and proposition/support. A section on student activities addresses developing vocabulary, brainstorming ideas, learning cooperatively, promoting discussion, encouraging writing and building study skills. This section also promotes interactive reading and graphic representation of thoughts and ideas.

© 2001 Author(s): Buehli, D.

**Popular Mechanics for Kids (Season 1)
Cool Cars**

Support Resource Grade(s) 10, 11

Available at **ACCESS—The Education Station**
BPN 20692 06

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

This video explores various aspects of the Knowledge and Employability Grade 8 Science unit Mechanical Systems We Use. Combustion, energy conversion and chemistry in the workplace are all addressed briefly by the video. High interest examples are presented; e.g., monster trucks, alternative fuel from vegetable oil and internal combustion engines. The video is age appropriate and uses language that is appropriate for students in Knowledge and Employability courses. Mechanics and automotive scenarios are presented with a clear emphasis on safety, including actual footage of accidents and the benefits of safety measures within a vehicle. The video is divided into sections that facilitate pausing for discussion.

Comments:

- The traditionally male-dominated world of performance vehicles is not presented in a way that recognizes diversity. A young female host is shown but most of the "experts" are men.

© 1997

**Physical Science Series
Electricity and Magnetism Geokit**

Teaching Resource Grade(s) 9, 10, 11, 12

547218 \$396.30

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓			✓	

The Geokit provides a time line of the development of electricity and magnetism from Edison's light bulb and Bell's telephone to the cell phones, microchips and electric cars of today. There are four videos, a teacher resource manual that complements the videos, overheads and a CD-ROM with software for word processing, graphic design, graphing and mapping. There are six lessons: What Is Electricity?; Electric Circuits; Electricity and Magnetism; What Is Magnetism?; Electromagnetism; Applications of Electricity and Magnetism. There are lesson plans, in-depth activities and handouts with answer keys. The Geokit components are age appropriate and informative apart from the CD-ROM. This resource would work well to supplement the classroom teacher's educational goals for this science unit.

© 2002

Exploring Habitats Series

Exploring Land & Water Habitats (Windows CD-ROMs with User Guide) (2 CD-ROM set) **Out of Print**

Support Resource Grade(s) 8, 9, 10

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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This resource introduces students to various land and water habitats, including wetlands, forests, deserts and others. Animal populations of these habitats and the impact of human influence are presented. The vocabulary, reading levels and success ratio are appropriate for the Knowledge and Employability student. The information is stimulating and visually appealing, and will engage the Knowledge and Employability learner. Activities are at an appropriate level and most are easy to follow. The glossary is also visually appealing. The resource encourages completion of activities through positive student reinforcement.

Comments:

- There is a series of activities that requires prior knowledge in geography.
- The case studies are American based and should be supplemented with Canadian content.

Popular Mechanics for Kids (Season 2)

Fly at Your Own Risk

Support Resource Grade(s) 8

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Fly at Your Own Risk is a fast-paced video that covers topics of high interest to students in Knowledge and Employability courses. It provides a good introduction to the Grade 8 unit Mechanical Systems We Use and provides a starting point for additional discussion of this topic. The presentation allows for breaks for discussion and further instruction on topics. Students will remain engaged with this video due to the attractive visuals, brisk pace and variety of topics covered. Other titles authorized from this series are *Big Buildings*, *Food, F.X.!*, *Garbage*, *Spaceships* and *Zero Gravity*.

Comments:

- Programs in the *Popular Mechanics for Kids* series are fast paced and engaging. Topics are relevant and high interest. Excellent production quality ensures that the audience's interest and attention is maintained. Vocabulary and content are appropriate for students in Knowledge and Employability courses.
- Teachers will need to preview this resource to see if it is age appropriate for their classes. The narrators for this series are a young boy and girl of approximately 11 or 12 years of age.

© 1998

622333 \$29.20

**Popular Mechanics for Kids (Season 1)
Garbage**

Support Resource Grade(s) 9

Available at ACCESS—The Education Station
BPN 20692 02

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Garbage covers outcomes in the Grade 9 Knowledge and Employability Science unit Chemistry in the Environment. Topics discussed include recycling, garbage disposal and biodegradable and nonbiodegradable materials. Emphasis is placed on environmentally-friendly activities and connections are provided to students' everyday lives. The layout is logical and user-friendly. The visuals and design of this resource will engage students. Other titles authorized from this series are *Big Buildings*, *Fly at Your Own Risk*, *Food, F.X.!*, *Spaceships* and *Zero Gravity*.

- Comments:
- This video was created in California and the content is predominantly American. Teachers may want to highlight this and make comparisons to Canadian issues.
 - Teachers will need to create their own activities and assessment tools for use with this resource.
 - Programs in the *Popular Mechanics for Kids* series are fast paced and engaging. Topics are relevant and high interest. Excellent production quality ensures that the audience's interest and attention is maintained. Vocabulary and content are appropriate for students in Knowledge and Employability courses.
 - Teachers will need to preview this resource to see if it is age appropriate for their classes. The narrators for this series are a young boy and girl of approximately 11 or 12 years of age.

General Science

- **General Science (Student Text) 616253 \$78.35**
- **General Science: Teacher's Edition 616261 \$116.90**
- **General Science: Teacher's Resource Library 616279 \$341.35**

Basic / Teaching Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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General Science supports Knowledge and Employability Science in grades 8 and 9. The teacher's edition provides an illustration of the page in the student text and a summary for each lesson. Relevant vocabulary, a warm-up activity, suggestions for teaching the lesson and ways to address different learning styles are also provided. The sections Science at Work and In the Community provide links to everyday life. The teacher's resource CD-ROM contains a student workbook offering more than 300 engaging student activities, blackline masters, a self-study guide for students working at their own pace, two forms of chapter tests, plus midterms and final tests. The student textbook is full-colour with very effective illustrations, photographs and other graphics.

- Comments:
- This resource contains several references to Web sites, although these appear mainly in the teacher's edition.
- Cautions:
- References are made to specific Web sites that have not been reviewed or authorized by Alberta Education. Teachers, for their own protection, should review the current status of the Web sites, including documents identified in the links, to ensure that the sites contain accurate and appropriate information.
- © 2004 Author(s): Marshall, R. et al.

How to Assess Authentic Learning (4th Ed.)

Teaching Resource Grade(s) 8, 9, 10, 11

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
✓	✓	✓	✓			

This teacher professional resource explores various alternative forms of assessment, providing the rationale and background for each. By incorporating the assessment tools suggested, teachers can promote strategies for student learning. The resource provides instructions on how to produce personal assessment tools and gives valuable examples of each. It deals with a variety of assessment methods, including learning standards, standardized tests, teacher-made tests, rubrics, portfolios, metacognitive reflection, observation checklists, graphic organizers and interviews. The 4th edition includes some new examples of rubrics, updated research on assessment, more emphasis on standards and more special education examples.

©2005 Author(s): Burke, K.

How Do They ... Series

- **How Do They ... Make Money?** 514142 \$58.40
- **How Do They ... Make Oatmeal Cookies?** 514176 \$58.40
- **How Do They ... Recycle Paper?** 514134 \$58.40
- **How Do They ... Recycle Steel?** 514126 \$58.40
- **How Do They ... Video Set (Make Money?; Make Oatmeal Cookies?; Recycle Paper?; Recycle Steel?)** Out of Print

Support Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

This set of videos focuses on "how everyday things happen," answering the questions how do they... recycle paper? recycle steel? make money? make oatmeal cookies? The topics relate to the Knowledge and Employability environment units and may be used to initiate career exploration. The resource is congruent with the Knowledge and Employability Science outcomes of Initiating and Planning, and Analyzing and Interpreting. The videos are approximately four minutes in length and will hold the attention of most Knowledge and Employability learners. The material is presented in a clear, concise manner. The videos include suggested activities that link science and language arts. Most of these activities will appeal to the Knowledge and Employability learner. The videos can be used to generate discussion or as a starting point for further research.

Comments:

- Some of the follow-up activities suggested are of an elementary level and would not be appropriate for Knowledge and Employability learners.

© 1999

Impacts of Tourism (Video with Teacher's Notes)

Support Resource Grade(s) 10, 11, 12

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Impacts of Tourism is an issues-based video resource that can be used to support Tourism Studies, the Grade 10 Social Studies Knowledge and Employability course or the Grade 10 Science unit Humans, Energy and the Environment. The video is current, fast paced and high interest with good visuals and music. Students can relate to the issues developed both for the tourism industry outside of Canada and for our own Canadian tourism industry. The video presents cases around the world in both developed and emerging societies and in different political systems. A good balance is established and controversial issues are addressed appropriately and with respect. Teacher notes are provided.

Comments:

- The video will need a teacher introduction and follow-up to be most effective.
- Easy start and stop points, based on different issues, facilitate discussion.
- The teacher notes are based on inquiry and suggest activities that are flexible and accommodate different learning styles.
- This video could be shown either from start to finish or to raise a single issue.

©2001 Author(s): Conolly, G.; Whelan, M. (Teacher's Notes)

Knowledge and Employability Studio (Online Guide to Implementation)

(<http://www.learnalberta.ca/content-teacher/kes/index.html?launch=true>)

Support Resource Grade(s) 8, 9, 10, 11, 12

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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The Knowledge and Employability Studio is the online guide to implementation for the Knowledge and Employability courses. There are four levels in the Studio. The Main Lobby contains program updates, contact information, a video introduction and a virtual tour of the Studio. New update information is displayed on the screen in the lobby. Curriculum Foundations, found on Level 2, contains activities and strategies to support teachers and students with the implementation of four core subjects: English language arts, social studies, science and mathematics. Click on the title of the course for further information. Within each subject are folders that contain resources aligned with the program of studies outcomes within that subject area. Level 3 contains information on each of the occupational strands. Poster-like artwork displays the names of each strand. In the same manner as the second level, each icon, when opened, illustrates a collection of activities and strategies aligned with the program of studies outcomes within each occupational strand. Workstations for administrators, teachers, students, parents and industry are found on Level 4. The folders and resources function in the same manner as the other levels but reveal learning and teaching resources to support teachers, students and parents. The Administrators Workstation contains the *Information Manual for Knowledge and Employability Courses*. The Industry Workstation contains information for employers working with students in off-campus situations.

©2005

The Mindful School: How to Assess Authentic Learning (3rd Ed.)

Teaching Resource Grade(s) 8, 9, 10, 11, 12

English Language Arts ✓	Mathematics ✓	Science ✓	Social Studies ✓	Occupational Courses	Career Awareness ✓	Universal Strategies ✓
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This teacher professional resource explores various alternative forms of assessment, providing the rationale and background for each. By incorporating the assessment tools suggested, teachers can promote strategies for student learning. The resource provides instructions on how to produce personal assessment tools and gives valuable examples of each. It deals with a variety of assessment methods, including learning standards, standardized tests, teacher-made tests, rubrics, portfolios, metacognitive reflection, observation checklists, graphic organizers and interviews.

© 1999 Author(s): Burke, K.

National Geographic Reading Expeditions: Earth Science Series

- Exploring Space (Reader) (6-pack) 515471 \$77.15
- The Oceans Around Us (Reader) (6-pack) 515546 \$69.00
- Volcanoes and Earthquakes (Reader) (6-pack) 515570 \$69.00
- Weather and Climate (Reader) (6-pack) 515588 \$69.00
- Uncovering Earth's History (Reader) (6-pack) 515629 \$77.15
- Earth Science: Teacher's Guide & Assessments 515637 \$47.95

Support / Teaching Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Reading Expeditions is a nonfiction reading program intended for grades 3 to 8. The program combines social studies and science content with reading development to increase students' knowledge in the content areas and improve their comprehension skills. Each set of science-related books shows real-world science in action through true stories and adventures, while the front page of each book provides information about reading and writing skills and strategies for learning vocabulary. The texts are clear, easy to read and well organized. Colour photographs and drawings are used throughout the readers. The accompanying teacher's guide includes lesson notes, activity masters, teaching strategies and assessment materials.

© 2002

National Geographic Reading Expeditions: The Human Body Series

- **Understanding the Brain (Reader) (6-pack)** **\$83.00**
- **The Human Machine (Reader) (6-pack)** **\$78.25**
- **Keeping Fit (Reader) (6-pack)** **\$75.65**
- **Fighting Disease (Reader) (6-pack)** **\$69.00**
- **Making Healthy Choices (Reader) (6-pack)** **\$78.25**
- **The Human Body: Teacher's Guide & Assessments** **\$57.05**

Support / Teaching Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Reading Expeditions is a nonfiction reading program intended for grades 3 to 8. The program combines social studies and science content with reading development to increase students' knowledge in the content areas and improve their comprehension skills. Each set of science-related books shows real-world science in action through true stories and adventures, while the front page of each book provides information about reading and writing skills and strategies for learning vocabulary. The texts are clear, easy to read and well organized. Colour photographs and drawings are used throughout the readers. The accompanying teacher's guide includes lesson notes, activity masters, teaching strategies and assessment materials.

©2002

National Geographic Reading Expeditions: Life Science Series

- **Plant Power (Reader) (6-pack)** **\$69.00**
- **Amazing Animals (Reader) (6-pack)** **\$77.15**
- **Protecting the Planet (Reader) (6-pack)** **\$77.15**
- **You and Your Genes (Reader) (6-pack)** **\$77.15**
- **Looking at Cells (Reader) (6-pack)** **\$81.80**
- **Life Science: Teacher's Guide & Assessments**

Support / Teaching Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Reading Expeditions is a nonfiction reading program intended for grades 3 to 8. The program combines social studies and science content with reading development to increase students' knowledge in the content areas and improve their comprehension skills. Each set of science-related books shows real-world science in action through true stories and adventures, while the front page of each book provides information about reading and writing skills and strategies for learning vocabulary. The texts are clear, easy to read and well organized. Colour photographs and drawings are used throughout the readers. The accompanying teacher's guide includes lesson notes, activity masters, teaching strategies and assessment materials.

©2002

National Geographic Society School Publishing; 2180 Buckingham Road, Suite 204, OAKVILLE, ON L6H 6H1
 Telephone: 800-368-2728; 905-257-0123

LRC Order No.: Est. Price:

National Geographic Reading Expeditions: Physical Science Series

- **Matter, Matter Everywhere (Reader) (6-pack)** \$69.00
- **Understanding Electricity (Reader) (6-pack)** \$69.00
- **Machines Make it Move (Reader) (6-pack)** \$83.00
- **The Magic of Light and Sound (Reader) (6-pack)** \$82.30
- **Using Force and Motion (Reader) (6-pack)** \$69.00
- **Physical Science: Teacher's Guide & Assessments** \$57.05

Support / Teaching Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Reading Expeditions is a nonfiction reading program intended for grades 3 to 8. The program combines social studies and science content with reading development to increase students' knowledge in the content areas and improve their comprehension skills. Each set of science-related books shows real-world science in action through true stories and adventures, while the front page of each book provides information about reading and writing skills and strategies for learning vocabulary. The texts are clear, easy to read and well organized. Colour photographs and drawings are used throughout the readers. The accompanying teacher's guide includes lesson notes, activity masters, teaching strategies and assessment materials.

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National Geographic Reading Expeditions: Science Issues Today Series

- **Using Energy (Reader) (6-pack)** \$69.00
 - **Feeding the World (Reader) (6-pack)** \$77.15
 - **Global Warming (Reader) (6-pack)** \$77.15
 - **Inside the Internet (Reader) (6-pack)** \$77.15
 - **Endangered Species (Reader) (6-pack)** \$77.15
 - **Science Issues Today: Teacher's Guide & Assessments** \$69.00
- Vendor Direct

Support / Teaching Resource Grade(s) 8, 9, 10

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Reading Expeditions is a nonfiction reading program intended for grades 3 to 8. The program combines social studies and science content with reading development to increase students' knowledge in the content areas and improve their comprehension skills. Each set of science-related books shows real-world science in action through true stories and adventures, while the front page of each book provides information about reading and writing skills and strategies for learning vocabulary. The texts are clear, easy to read and well organized. Colour photographs and drawings are used throughout the readers. The accompanying teacher's guide includes lesson notes, activity masters, teaching strategies and assessment materials.

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 Telephone: 800-368-2728; 905-257-0123

LRC Order No.: Est. Price:

- 521824 \$83.00
- 521832 \$83.00
- 521840 \$77.15
- 521858 \$83.00
- 521866 \$69.00

Vendor Direct

National Geographic Reading Expeditions: Scientists in the Field Series

- Sylvia Earle: Protecting the Seas (Reader) (6-pack)
- Robert Ballard: Discovering Underwater Treasures (Reader) (6-pack)
- Jane Goodall: Protecting Primates (Reader) (6-pack)
- Johan Reinhard: Discovering Ancient Civilizations (Reader) (6-pack)
- Paul Sereno: Digging for Dinosaurs (Reader) (6-pack)
- Scientists in the Field: Teacher's Guide & Assessments

Support / Teaching Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Reading Expeditions is a nonfiction reading program intended for grades 3 to 8. The program combines social studies and science content with reading development to increase students' knowledge in the content areas and improve their comprehension skills. Each set of science-related books shows real-world science in action through true stories and adventures, while the front page of each book provides information about reading and writing skills and strategies for learning vocabulary. The texts are clear, easy to read and well organized. Colour photographs and drawings are used throughout the readers. The accompanying teacher's guide includes lesson notes, activity masters, teaching strategies and assessment materials.

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National Geographic Society School Publishing; 2180 Buckingham Road, Suite 204, OAKVILLE, ON L6H 6H1
 Telephone: 800-368-2728; 905-257-0123

LRC Order No.: Est. Price:
614588 \$73.65
 Out of print

• **National Geographic Student Atlas of the World (6-pack)**
 • **National Geographic Student Atlas of the World: Teacher's Guide**

Support / Teaching Resource Grade(s) 8, 9, 10, 11

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓	✓			

The *National Geographic Student Atlas of the World: Teacher's Guide* is an effective resource for teaching current events in the classroom. It supports curricula at all levels in a peripheral way, but focuses particularly on Grade 10 Social Studies and the global economy. Activities have students reflect on the contributions they make that support their quality of life and the economy. Another activity looks at how wealth is distributed in a global economy. This resource also supplements the Grade 11 unit Canadian Nationalism and Global Issues with an activity that investigates how the world is increasingly becoming more interdependent. The teacher's guide is clear and the layout is easy to understand and deliver. There are a variety of activities that start out with simple concepts and ideas and then progress to more difficult ones. These activities encourage higher level thinking, analyzing and evaluating.

The softcover *National Geographic Student's Atlas* provides overviews and relevant information organized by continent. The format is attractive and colourful, with pictures of such things as geographical features, tourism sites, flora and fauna. The back of the atlas contains a brief factual summary of area, population, capitals, languages and colour flags of each country of the world, as well as a glossary of terms and a summary of world facts. This atlas would be a useful reference for all grades.

Comments:

- Content does not include information on the resources, politics or culture of the countries.
- Vocabulary and concepts may be too advanced for some students.
- Depending on their students' capabilities, teachers may need to modify or adapt the information presented.

©2001

Popular Mechanics for Kids (Season 2)
North Pole

682585 \$46.80

Teaching Resource Grade(s) 8

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓	✓			

This video provides a visually appealing look at the Canadian North. It includes a discussion on dog sledding, igloo building and preparation of traditional Innu food, as well as an explanation of the 6 months of darkness and 6 months of light. The video also refers to scientific research that is taking place in the north. The language used is appropriate and easy to understand. The narrator poses thought-provoking questions to the audience that would necessitate them activating prior knowledge and performing higher level thinking.

Comments:

- The narrator appears to be 11 or 12 years old. This would be insulting to the Knowledge and Employability student in higher grades.
- This resource would require the creation of activities and assessment tools by the teacher.

Cautions:

- Alberta Education recommends that teachers preview this resource for portrayal of Inuit culture about killing seals and eating the meat raw. Careful consideration should be given to the sensitivities of the student audience.

© 1998

Science Screen Reports for Kids Our Green Planet

616047 \$58.40

Support Resource Grade(s) 8

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Science Screen Reports for Kids uses a unique approach to promote interest in science. The videos begin with a presentation to introduce concepts and vocabulary. A student narrator joins the conversation, helping to generate and maintain student interest. An interactive conversation and presentation follows with questions and answers that reinforce earlier concepts and understanding. *Science Screen Reports for Kids* supports the units Human and Other Life Systems, Water Systems: Land and Humans, Fluids in Our Lives, and Vision Technologies in Grade 8 Knowledge and Employability Science. This resource is an excellent student support for the topics listed and is well-suited to students in Knowledge and Employability courses. Unfortunately, not all subjects in Grade 8 Science are covered.

©2003

Science Screen Reports for Kids Power from the Ocean Tides

616021 \$58.40

Support Resource Grade(s) 8

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Science Screen Reports for Kids uses a unique approach to promote interest in science. The videos begin with a presentation to introduce concepts and vocabulary. A student narrator joins the conversation, helping to generate and maintain student interest. An interactive conversation and presentation follows with questions and answers that reinforce earlier concepts and understanding. *Science Screen Reports for Kids* supports the units Human and Other Life Systems, Water Systems: Land and Humans, Fluids in Our Lives, and Vision Technologies in Grade 8 Knowledge and Employability Science. This resource is an excellent student support for the topics listed and is well-suited to students in Knowledge and Employability courses. Unfortunately, not all subjects in Grade 8 Science are covered.

©2003

Science Screen Reports for Kids The Properties of Fuels and Gases

616055 \$70.15

Support Resource Grade(s) 8

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Science Screen Reports for Kids uses a unique approach to promote interest in science. The videos begin with a presentation to introduce concepts and vocabulary. A student narrator joins the conversation, helping to generate and maintain student interest. An interactive conversation and presentation follows with questions and answers that reinforce earlier concepts and understanding. *Science Screen Reports for Kids* supports the units Human and Other Life Systems, Water Systems: Land and Humans, Fluids in Our Lives, and Vision Technologies in Grade 8 Knowledge and Employability Science. This resource is an excellent student support for the topics listed and is well-suited to students in Knowledge and Employability courses. Unfortunately, not all subjects in Grade 8 Science are covered.

©2003

- **Read to Live (CD-ROM)**
- **Read to Live (Web Site) (Student Portion)**
- **Read to Live (Web Site) (Teacher Portion)**

(http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/ReadtoLive/index.html)

(http://www.education.gov.ab.ca/k_12/curriculum/bysubject/ke/ReadtoLive/index.html)

Support / Teaching Resource Grade(s) 8, 9, 10, 11, 12

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
✓	✓	✓	✓	✓	✓	✓

Read to Live provides information, strategies and activities that teachers can use to engage and support students who are experiencing difficulties with reading. The focus is on helping students think about reading in a new way by connecting classroom experiences with students' lifeworlds. This resource, which is a series of workshops to enhance student literacy at the junior and senior high school levels, is intended for teachers who are new to teaching, new to teaching students with reading difficulties or just looking for extra support. It can also be used by more experienced teachers to mentor colleagues and create a community of practice.

The first workshop, **Introduction: Responsive Teaching**, describes an approach to teaching reading that focuses on addressing students' unique learning needs. This is followed by three more in-depth workshops, which explore different elements of reading: **Contexts of Reading**, **Active Reading** and **Multiple Texts/ Multiple Literacies**. Each of these workshops contains three sections: Background, Reading Strategies and Teaching Strategies. The workshops can be explored in multiple sittings, in whatever way is most useful. Teachers can explore the information in any order; however, teachers new to teaching reading or to the concepts covered may find it most useful to start with the **Background**.

The background section summarizes important concepts, research findings and other information on the topic. Links provide further information on relevant theorists and researchers.

Reading Strategies

The reading strategies section offers sample strategies teachers can model, teach and reinforce to help students become more effective readers. These strategies apply and build on the concepts in the background section.

Teaching Strategies

The teaching strategies section provides sample instructional strategies and activities teachers can use to strengthen students' understanding and motivation.

©2006

Renewable Energy: The Search for Endless Energy (with Teacher's Notes)

Support Resource Grade(s) 10, 11

Available at ACCESS-The Education Station
BPN 20617 01

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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This is an interesting video on renewable energy with an emphasis on solar energy. Energy generation technologies in Australia are presented. The program promotes higher level thinking and analytical processes, and relates to real life situations. The video could be supplemented with additional information and group projects. An ideal activity would be to have students design a solar cooker. Individuals in various careers relating to renewable energy are focused upon and give content to the video, providing a nice break to the narration.

- Comments:
- Slightly complex in explanations and chemical formulas.
- ©1999

AIMS Teaching Module

Rivers: Shapers of Earth Landscapes (Video with Teacher's Guide)

611394 \$81.80

Teaching Resource Grade(s) 8

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Rivers: Shapers of Earth Landscapes describes river biomes and includes a comprehensive list of terms, detailed definitions and examples. River types, components, characteristics and interactions are effectively explored with modern video clips of rivers in North America and around the world. The video presents a valuable overview of water resources that can serve as a starting point for discussions about water resources and geography. A 28-page teaching module is included with the video. Activities range from crosswords and other high-interest work to multiple choice and other assessment materials. This resource addresses outcomes in the Grade 8 Knowledge and Employability Science unit Water Systems, Land and Humans.

- Comments:
- Although measurement is described using the metric system, the video depends more on American examples for larger rivers and bodies of water. Comparisons may need to be made with Canadian examples.
- ©2002

LRC Order No.: Est. Price:

620486 \$289.90

Scholastic Action Book Collections (Explorations Middle School)
Scholastic Action Book Collections (includes Teacher's Guide, Reader's Notes and 6 each of Bear Attacks; Floods; That's Science; Bad Hair Days and Other Experiments; Tropical Rain Forest; Weird Science Jobs)

Teaching Resource Grade(s) 8

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
✓		✓				

Titles in the Scholastic Action science series include *That's Science*, *Weird Science Jobs*, *Medical Miracles*, *Tropical Rain Forest*, *Bear Attacks* and *Extreme Floods*. The six student readers contain topics such as stories on planning and carrying out experiments that may enhance student's interest in Grade 8 Science. The readers provide opportunities for cross-curricular activities in language arts. Action readers are levelled to promote successful independent reading. The readers and note sheets are at three reading levels, ranging from Grade 1.5 to Grade 6 readability, and could be used for oral, large group or small group reading activities. Pictures and other visuals promote interest in the topics.

Comments:

- Teachers should be aware that some students may find the format consistent with books in elementary school and may be offended.
- Bear attacks, floods and tsunamis could be difficult topics for students who have experienced such events.
- Transplants and serious illnesses, discussed in *Medical Miracles*, may also be problematic for some students.
- *Weird Science Jobs* discusses topics such as forensic science and insects as a future food source and some students may find this unpalatable.
- Teachers should consider their students and communities when choosing which books to use.

© 2003

Science Screen Reports for Kids
The Science of Light

616039 \$58.40

Support Resource Grade(s) 8

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Science Screen Reports for Kids uses a unique approach to promote interest in science. The videos begin with a presentation to introduce concepts and vocabulary. A student narrator joins the conversation, helping to generate and maintain student interest. An interactive conversation and presentation follows with questions and answers that reinforce earlier concepts and understanding. *Science Screen Reports for Kids* supports the units Human and Other Life Systems, Water Systems: Land and Humans, Fluids in Our Lives, and Vision Technologies in Grade 8 Knowledge and Employability Science. This resource is an excellent student support for the topics listed and is well-suited to students in Knowledge and Employability courses. Unfortunately, not all subjects in Grade 8 Science are covered.

© 2003

LRC Order No.: Est. Price:
515299 \$62.05
519837 \$108.35

- **Science Wise: Succeeding in Today's World (Student Text)**
- **Science Wise: Succeeding in Today's World: Teacher's Guide**

Support / Teaching Resource Grade(s) 8, 9, 10, 11

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

Science Wise supports some units in Knowledge and Employability Science, grades 8 to 11. The text includes units on chemistry at work and home; sound and picture communications; medical technology; gardening, horticulture, landscaping and forestry; and alternative environments. The resource begins by addressing basic safety issues in relation to the units that follow. Career links, Web site links, graphic organizers, unit summaries and extension activities are provided. The teacher's guide parallels the chapters in the student text and contains detailed lesson plans grouped by science concept; e.g., chemical reaction effects on different materials. Each chapter in the teacher's guide includes an overview, a curriculum correlation chart, a planning chart, a section on accommodating exceptional needs, additional activities and blackline masters. Lesson plans are included for each day of a typical semester and are based on a 70-minute class period.

Comments:

- The vocabulary and reading levels may be high for some students in Knowledge and Employability courses, and the text is dense in some places.

Cautions:

- The resource has a strong Ontario bias; some information will need to be supplemented with Alberta content, especially the environmental material.
 - References are made to specific Web sites that have not been reviewed or authorized by Alberta Education. Teachers, for their own protection, should review the current status of the Web sites, including documents identified in the links, to ensure that the sites contain accurate and appropriate information.
- ©2003 Author(s): Augusta-Palmisano, M. et al.

- **Science.Connect 1 (Student Text and CD-ROM) (Windows / Macintosh Version)** **470972 \$77.55**
- **Science.Connect 1: Teacher's Resource on CD-ROM (Site License)** **470980 \$529.75**
- **Science.Connect 1: Teacher's Resource (Print)** **480848 \$120.00**

Basic / Teaching Resource Grade(s) 10, 11, 12

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓				

This custom-developed student text, with integrated multimedia CD-ROM, provides direct support for the Science 14 program. The text features many visuals, hands-on activities and a simplified reading level. The CD-ROM contains multimedia applets linked to particular concepts in the text that may be difficult to teach.

The teacher's resource is designed to assist teachers in implementing the Science 14 program. It aligns with the Science.Connect 1 basic resource produced by this publisher. Features include planning help, background information for teachers and blackline masters for student activities and assessment.

©2002 Author(s): Colbourne, H. et al.

LRC Order No.: Est. Price:
515596 \$84.55
515611 \$496.80
519811 \$120.00

- **Science.Connect 2 (Student Text and CD-ROM)** (Windows / Macintosh Version)
- **Science.Connect 2: Teacher's Resource on CD-ROM** (Site License)
- **Science.Connect 2: Teacher's Resource (Print)**

Basic / Teaching Resource Grade(s) 10, 11, 12

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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This custom-developed student text, with integrated multimedia CD-ROM, provides direct support for the Science 24 program. The CD-ROM contains multimedia applets linked to specific concepts in the text that may be difficult to teach.

The teacher's resource is designed to assist teachers in implementing the Science 24 program. It aligns with the Science.Connect 2 basic resource produced by this publisher. Features include planning help, background information for teachers and blackline masters for student activities and assessment.
 ©2003 Author(s): Colbourne, H. et al.

Popular Mechanics for Kids (Season 1) Spacehips

Support Resource Grade(s) 8, 9

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Space Ships would be particularly useful for creating interest and introducing a new science unit. It is appropriate for the Grade 8 Knowledge and Employability Science unit Mechanical Systems We Use and the Grade 9 Science unit Exploring Space. In the video, two students demonstrate and explore spacecraft and the science behind space travel, including clothing and the effects of zero gravity. Other titles authorized from this series are *Big Buildings*, *Fly at Your Own Risk*, *Food, F.X.I.*, *Garbage and Zero Gravity*.

- Comments:
- Programs in the *Popular Mechanics for Kids* series are fast paced and engaging. Topics are relevant and high interest. Excellent production quality ensures that the audience's interest and attention is maintained. Vocabulary and content are appropriate for students in Knowledge and Employability courses.
 - Teachers will need to preview this resource to see if it is age appropriate for their classes. The narrators for this series are a young boy and girl of approximately 11 or 12 years of age.

©2001

622341 \$29.20

Spider Survival (2nd Edition)

Support Resource Grade(s) 9

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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This resource supports the unit Diversity and Us in the Grade 9 Knowledge and Employability Science course. The focus is on the habitat, genetic traits and structural diversity of spiders and their adaptations for survival. A detailed explanation of the differences between spiders and insects is provided and many close-up shots of spiders in their natural habitats are shown. The content, vocabulary and presentation are appropriate for this audience. This high-quality video will hold the audience's attention with the unique variety of spiders presented. The resource includes a reader's guide.

©2003

Technology In Action (2nd Ed.)

- **Technology In Action (2nd Ed.) (Student Text) 548323 \$61.75**
- **Technology In Action (2nd Ed.): Teacher's Resource Guide 548331 \$136.90**
- **Technology In Action (2nd Ed.): Interactive CD-ROM (Windows / Macintosh Version) 548373 \$95.10**

Support / Teaching Resource Grade(s) 8, 9, 10, 11

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses ✓	Career Awareness	Universal Strategies
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Technology in Action is a career and science resource (student text, teacher's manual, CD-ROM) that covers most of the topics for Knowledge and Employability grades 8 to 11. Topics include an introduction to technology, using it and how technology affects you, now and in the future. Computers are introduced with applications for drawing, digital photography and animation. Inventing, making, designing, building and moving things plus how things work are explored. Other topics are automation, how business works, using energy, producing TV/radio, living and working in space, exploring chemical and bio-related technology and finding information. Each chapter contains action activities. This resource is a good support resource that provides comprehensive reading/overheads/handouts and activities. Practical examples of concepts are provided throughout the student text and students' section of the CD-ROM. The student text provides clear and concise background on concepts. Questions and activities accompany readings. The teacher' manual provides suggested lesson plans, overheads, additional student activities and assessments. The accompanying CD-ROM provides further assessment tools for the teacher and activities for the student. This resource would be best utilized as a supportive tool for teaching grades 8 to 11 Knowledge and Employability science.

Comments:

- This is an American resource and metric units are included. Examples are applicable to North America in general.

©2002 Author(s): Thode, B.; Thode, T.

LRC Order No.: Est. Price:
385395 \$88.25

Thinking Tools for Kids: Practical Organizers

Teaching Resource Grade(s) 8, 9, 10, 11, 12

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
✓		✓	✓			✓

Thinking Tools for Kids consists of 89 blackline masters incorporating 32 tools to help students develop comprehension and study skills. Some of the blackline masters deal with the same tool at different student levels. The tools are closely linked to specific outcomes in the Knowledge and Employability programs of study, allowing students to use these tools in their language arts, social studies and science classes as they progress through school. The tools are organized according to the following outcomes: generating and identifying ideas; describing, comparing and contrasting; classifying; exploring whole-part relationships; sequencing; problem solving; organizing information; computer-based tools; and sample assessment rubrics. A curriculum link to language arts, social studies and science is included at the back of the book.

Comments:

• Some of the blackline masters are quite elementary in appearance and may need to be modified/enhanced for older students.

© 1999 Author(s): Walker, C.; Antaya-Moore, D.

Transit Across Canada Series

Air - Climate; Water - Reserves and Networks; Land - Territory and Resources; Fire - Energy; 514241 \$278.15
Life - People, Fauna and Flora

Teaching Resource Grade(s) 8, 9, 10

English Language Arts	Mathematics	Science	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
		✓	✓			

This resource combines history, geography, geology, science, ecology and meteorology in a set of five programs. *Air* focuses on Canada's diverse range of climates and how climate influences the way people eat, dress, feel and live in different areas of the country and at different times of the year. The video explores the damage that can be caused by the weather, highlighting the 1998 ice storm in eastern Canada. In *Fire*, the narrator explains how usable energy can be produced by solar power, uranium, water or burning coal. The video shows early forms of energy, highlights the importance of Alberta's petroleum and natural gas resources, and provides information on possible energy sources of the future. *Land* describes the diverse landforms and industries in each of Canada's six regions: the Cordillera, the Central Plains, the Canadian Shield, the Great Lakes-St. Lawrence River, the Atlantic and the Arctic. *Water* explores the many forms of water prevalent in Canada, from lakes to glaciers to waterfalls. The video features interesting trivia facts and emphasizes how the availability of water influences land use and development. *Life* deals with Canada's people, flora and fauna. It gives an overview of Canada's settlement, from the earliest nomadic hunters to the Vikings and European explorers, and discusses the impact of immigration on Canada's cultural make-up. The video also highlights native plant and animal species, and discusses how different animals have adapted to life in Canada. These videos combine several subjects under one theme and could be used to introduce materials, review topics or provide a starting point for further research. Each program in the set could be used alone or with one or more of the others. The videos are divided into short segments, making it easy to pick and choose parts as needed. The narration gives clear, relevant and interesting information. Maps and animation are used periodically throughout the videos. Each video is accompanied by a print summary of main concepts and a chart indicating how the video relates to specific topics and subject areas.

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Web of Life: The Interconnected World

Support Resource Grade(s) 9

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Web of Life: The Interconnected World addresses outcomes in the Grade 9 Knowledge and Employability Science unit Diversity and Us. It presents an overview of reproduction, adaptation and survival of micro-organisms, plants, insects and other animals. The emphasis is on the plant and animal kingdoms, with very little discussion of humans. Vocabulary, language and presentation are appropriate for students in Knowledge and Employability courses. This resource includes a reader's guide and discussion topics.

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What's Up in Technology (Video with Teacher's Curriculum Guide)

538796 \$99.40

Teaching Resource Grade(s) 10, 11, 12

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness ✓	Universal Strategies
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This video develops knowledge and understanding of the physical sciences and applies this understanding to interpret, integrate and extend knowledge with a particular emphasis on technology and career related applications. It is very visually appealing and upbeat and includes good post video learning strategies and a strong career development focus.

Comments:

- This resource contains American content (mph, lbs) but does not take away from the intended message.

© 1998

LRC Order No.: Est. Price:
676926 \$131.25

Work Safe Alberta: Workplace Health and Safety Kit (includes Teacher Resource Binder 1 - September 2006; Teacher Resource Binder 2 - September 2006; Workplace Health and Safety Teacher Toolkit)

Teaching Resource Grade(s) 8, 9, 10, 11, 12

English Language Arts ✓	Mathematics ✓	Science ✓	Social Studies ✓	Occupational Courses ✓	Career Awareness ✓	Universal Strategies ✓
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The *Workplace Health and Safety Teacher Resource Binders* and *Teacher Toolkit* were developed as a joint initiative by Alberta Education and Alberta Human Resources and Employment to support teachers in the delivery of workplace health and safety outcomes. The resource actively promotes the safety of all workers in Alberta, particularly young workers, and documents Alberta health and safety legislation and regulations. Students will become aware of their rights and responsibilities with respect to workplace health and safety concerns.

The two-binder set of workplace health and safety information is divided into seven chapters: legislation, health and safety management systems, physical hazards, chemical hazards, biological hazards, psychosocial hazards and ergonomics. Each chapter includes topic-specific content that is followed by a supplemental information section with course-specific, industry-specific or occupation-specific information. Teacher notes, handouts, overheads and additional resources are also included with each chapter. The accompanying *Workplace Health and Safety Teacher Toolkit* complements the resource binders with posters, publications, cards and CDs. The toolkit is organized into nine sections: statistics, videos, posters, cards, publications, general, employment and standards information, workers' compensation information and other.

Comments:

- This resource has the potential for transfer to any school or workplace setting.
- The resource contains reference to a workplace fatality (page 12 of the legislation section) that was widely reported in the Alberta media. Teacher judgement is advised in the use of this reference as students who knew the deceased or were related to him might be in the classroom.

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Popular Mechanics for Kids (Season 2)

Zero Gravity

622375 \$29.20

Support Resource Grade(s) 9

English Language Arts	Mathematics	Science ✓	Social Studies	Occupational Courses	Career Awareness	Universal Strategies
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Zero Gravity complements the Grade 9 Knowledge and Employability Science unit Exploring Space. It is laid out in a clear and concise manner that makes it easy to follow and understand. The visuals are appealing and will hold students' attention. The content is relevant and informative and uses an appropriate vocabulary for this student audience. The activities and experiments presented in the video encourage learning and discussion. Teachers will need to create worksheets and assessments to complement the video resource. Other titles authorized from this series are *Big Buildings*, *Fly at Your Own Risk*, *Food, F.X.!, Garbage* and *Spaceships*.

Comments:

- Programs in the *Popular Mechanics for Kids* series are fast paced and engaging. Topics are relevant and high interest. Excellent production quality ensures that the audience's interest and attention is maintained. Vocabulary and content are appropriate for students in Knowledge and Employability courses.
- Teachers will need to preview this resource to see if it is age appropriate for their classes. The narrators for this series are a young boy and girl of approximately 11 or 12 years of age.

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Knowledge and Employability

**Vendors/Distributors
Science
Grades 8 to 12**

VENDORS/DISTRIBUTORS

ACCESS–The Education Station
10212 Jasper Avenue
EDMONTON, AB, CANADA T5J 5A3
Telephone: 780-440-7777
Internet: <http://www.accesslearning.com>

KineticVideoCom
511 Bloor Street West
TORONTO, ON, CANADA M5S 1Y4
Telephone: 800-263-6910; 416-538-6613
Fax: 416-538-9984
Internet: <http://www.kineticvideo.com>

Learning Resources Centre (LRC)
12360 – 142 Street
EDMONTON, AB, CANADA T5L 4X9
Telephone: 780-427-5775
Fax: 780-422-9750
Internet: <http://www.lrc.education.gov.ab.ca>

National Film Board of Canada
Suite 100, 10815 – 104 Avenue
EDMONTON, AB, CANADA T5J 4N6
Telephone: 800-267-7710; 780-495-3013
Fax: 780-495-6412
Internet: <http://www.nfb.ca/>

National Geographic Society School
Publishing
1145 17 Street NW
WASHINGTON, DC, USA 20036-4688
Telephone: 800-368-2758; 905-257-0123
Fax: 800-840-9807; 416-219-8957
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